Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/10/2018 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125361	0	1.73	125163	1.72
Blue	F	SSC	125000	124513	-1	3.82	124927	3.61
Blue	E	FITC	23158	22652	-3	2.75	1057	11.19
Blue	D	PE	31171	30320	-3	2.31	1144	10.52
Blue	B	PerCP-Cy5-5	59762	59237	-1	4.43	1544	18.46
Blue	A	PE-Cy7	57533	56002	-3	7.24	787	38.87
Red	C	APC	69353	68392	-2	2.63	3447	9.53
Red	A	APC-Cy7	66644	64892	-3	4.38	1269	11.38
Violet	B	V450	16327	15853	-3	3.72	849	9.42
Violet	A	V500	62036	60758	-3	3.32	2839	6.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22564	4.18	614	-2	N/A	N/A	Pass
Blue	F	SSC	56894	1.11	564	6	N/A	N/A	Pass
Blue	E	FITC	116	41.59	555	0	0.0183	129	Pass
Blue	D	PE	192	39.54	558	1	0.1401	252	Pass
Blue	B	PerCP-Cy5-5	253	48.31	654	5	0.0080	90	Pass
Blue	A	PE-Cy7	139	99.85	716	7	0.0096	26	Pass
Red	C	APC	495	24.77	606	-4	0.0175	0	Pass
Red	A	APC-Cy7	276	26.13	584	-3	0.0040	821	Pass
Violet	B	V450	105	43.53	490	-2	0.0380	1821	Pass
Violet	A	V500	250	20.53	509	-2	0.0116	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.04	-30.60	0.96
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.42
Red	16.68	13.60 - 20.40	N/A	N/A	30.52	31.02	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments